

Converting Colors

XYZ(45.8507, 28.0651, 10.8987)

Have a look what the booklet for
XYZ(45.8507, 28.0651, 10.8987)
contains.

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Color

**XYZ(45.8562, 28.0557,
10.9810)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5352
RGB	255, 83, 82
RGB Percent	100%, 33%, 32%
CMY	0.0000, 0.6745, 0.6784
CMYK	0.00, 0.67, 0.68, 0.00
HSL	0°, 100%, 66%
HSV	0°, 68%, 100%
XYZ	45.8562, 28.0557, 10.9810
YIQ	134.3140, 102.8330, 36.1530

Conversions

Conversions Part 2

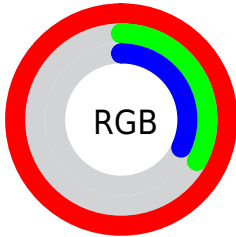
Format	Color
R_{YB}	255, 83, 82
Decimal	16733010
CIE _{Lab}	59.94, 64.83, 37.83
CIE _{LCh}	60, 75.063, 30.268
Yxy	28.0557, 0.5402, 0.3305
Android (android.graphics.Color)	4294923090 (0xFFFF5352)
YUV	134.3140, -25.7908, 105.8416
Hunter-Lab	52.9676, 61.8412, 24.7856

Details

The XYZ color **45.8562, 28.0557, 10.9810** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **56.9677, 79.8899, 107.0248**, and the grayscale version is **22.8426, 24.0322, 26.1710**.

A 20% lighter version of the original color is **54.9297, 41.9757, 27.0368**, and **21.8415, 11.2534, 2.7712** is the 20% darker color. If you saturate the color by 10%, you get **43.4618, 24.5423, 6.2523**, and if you desaturate by 10%, it is **49.3208, 33.1337, 17.8443**.

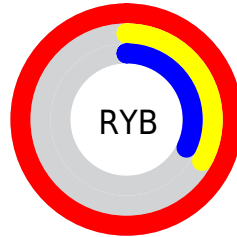
Distribution



Red (100%)

Green (33%)

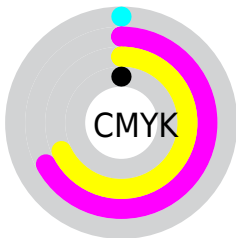
Blue (32%)



Red (100%)

Yellow (33%)

Blue (32%)

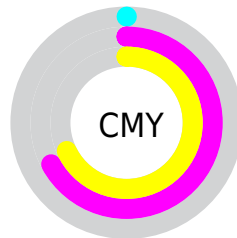


Cyan (0%)

Magenta (67%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (67%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8562, 28.0557, 10.9810 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 45.8562, 28.0557, 10.9810 by changing the saturation by 10% instead.


 45.8562, 28.0557,
10.9810


 45.8562, 28.0557,
10.9810

360.9559,
292.7330, 208.2699


 32.3365, 18.3677,
5.9401


 83.2329, 56.5734,
28.2611


 21.7754, 11.2143,
2.7405


 107.8207, 76.1718,
41.3374


 13.8077, 6.2111,
0.9637


 136.8285, 99.8424,
57.9292

 8.0678, 2.9739,
0.0000

 170.6217,
127.9697, 78.4551

 4.1905, 1.1181,
0.0000

 209.5657,
160.9380, 103.3335

 1.8105, 0.0000,
0.0000

254.0258,

 0.5240, 0.0000,

199.1317, 132.9831

0.0000

304.3674,
242.9352, 167.8224

■ 0.0000, 0.0000,
0.0000

■ 45.8562, 28.0557,
10.9810

■ 45.8562, 28.0557,
10.9810

■ 43.4618, 24.5423,
6.2523

■ 49.3208, 33.1337,
17.8443

■ 42.0119, 22.4086,
3.4074

■ 53.9589, 39.9244,
27.0527

■ 41.3454, 21.4230,
2.1139

■ 59.8636, 48.5641,
38.7927

■ 41.2559, 21.2922,
1.9354

■ 67.1183, 59.1743,
53.2318

■ 75.7992, 71.8659,
70.5232

85.9769, 86.7417,
90.8087

95.0497, 99.9998,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.5400, 28.0557, 30.3031



45.8562, 28.0557, 10.9810



36.8386, 28.0557, 3.8683

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.8562, 28.0557, 10.9810



13.6974, 28.0557, 11.1974



26.7519, 28.0557, 118.9650

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



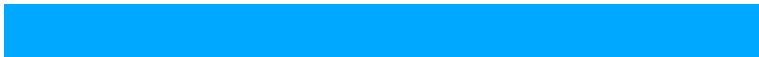
45.8562, 28.0557, 10.9810



56.9677, 79.8899, 107.0248

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.5632, 28.0557, 102.6534



45.8562, 28.0557, 10.9810



12.2062, 28.0557, 30.7940

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.8562, 28.0557, 10.9810



18.4469, 28.0557, 3.9305



13.7525, 28.0557, 65.4201



37.0230, 28.0557, 102.1036

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.8562, 28.0557, 10.9810



29.8891, 28.0557, 2.5135



13.7525, 28.0557, 65.4201



23.6835, 28.0557, 117.1045

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.8568, 28.0573, 10.9814



73.8029, 68.9472, 66.5450



62.3069, 34.5145, 97.9851



15.2620, 13.9757, 13.1780



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.8568, 28.0573, 10.9814



42.9088, 23.7291, 5.1639



56.8578, 50.0592, 14.6484



18.0179, 18.0041, 18.6698



21.5609, 11.1331, 1.0125



2.1022, 1.0897, 0.0995

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56.9677, 79.8899, 107.0248



54.6664, 78.6116, 106.9001



35.6247, 37.2040, 99.9105



18.5453, 20.4622, 23.2221



27.8737, 40.6569, 55.8131



2.7168, 3.9643, 5.4353

Previews

White Background



This preview shows how the XYZ color 45.8562, 28.0557, 10.9810 looks on a white background.

Color Contrast Check

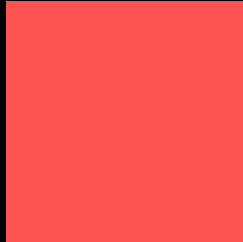
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 45.8562, 28.0557, 10.9810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8562, 28.0557, 10.9810

Background



This preview shows how black text looks on a background with the XYZ color 45.8562, 28.0557, 10.9810.



This preview shows how white text looks on a background with the XYZ color 45.8562, 28.0557,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.8562, 28.0557, 10.9810

Protanopia

26.3855, 28.3386, 17.4438

Deuteranopia

28.6183, 28.1098, 10.0483



Tritanopia

46.0536, 28.1346, 12.0201

Trichromacy



Original Color

45.8562, 28.0557, 10.9810

Protanomaly

30.8554, 25.9886, 14.6993

Deuteranomaly

33.2365, 26.6005, 10.2201

Tritanomaly

45.9729, 28.1024, 11.5956

Monochromacy



Original Color

45.8562, 28.0557, 10.9810

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

27.5853, 22.9642, 19.1983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8562, 28.0557, 10.9810 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 83, 82)` looks like.

```
.text, #text, p{  
  color:rgb(255, 83, 82)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 83, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 82) }
```

Border

The CSS property to change the border of an element to XYZ 45.8562, 28.0557, 10.9810 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 83, 82) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 83, 82) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 83, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8562, 28.0557, 10.9810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 83, 82) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 83,  
82) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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